

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---|------------------|---------|---------------------|
| L1    | 3     | \$-2002083468-\$.did.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/12<br>16:28 |
| L2    | 0     | (715/517).CCLS.   | USPAT   | OR               | OFF     | 2009/05/12<br>16:28 |
| L3    | 5810  | (707/3).CCLS.   | USPAT   | OR               | OFF     | 2009/05/12<br>16:28 |
| L4    | 0     | (715/539).CCLS.   | USPAT   | OR               | OFF     | 2009/05/12<br>16:28 |
| L5    | 4739  | (707/102).CCLS.   | USPAT   | OR               | OFF     | 2009/05/12<br>16:28 |
| L6    | 2147  | (707/6).CCLS.   | USPAT   | OR               | OFF     | 2009/05/12<br>16:28 |
| L7    | 570   | (proxim\$ with associat\$)<br>same search\$   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L8    | 13693 | data with mining  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L9    | 11918 | tagged with data  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L10   | 647   | L8 and L9   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L11   | 13298 | (identif\$ recogniz\$<br>distinguish\$) with (name<br>address url date (\$4phone<br>adj number)) with document                    | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L12   | 1003  | (identif\$ recogniz\$<br>distinguish\$) with (name<br>address url date (\$4phone<br>adj number)) with document<br>with \$5link\$5 | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L13   | 4222  | (proxim\$ with associat\$)<br>same (search\$ term)  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L14   | 8     | L12 and L13   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |
| L15   | 54    | (proxim\$ with associat\$)<br>same (search\$ adj term)  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR               | ON      | 2009/05/12<br>16:28 |

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|-----|-----|---|--------------------------------|----|----|---------------------|
| L16 | 0   | L12 and L15   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L17 | 11  | L11 and L15   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L18 | 808 | smart adj tag\$3  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L19 | 818 | smart adj tag\$4  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L20 | 0   | L19 and L17   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L21 | 13  | L19 and L12   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L22 | 3   | L19 and L13   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L23 | 67  | L19 and L11   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L24 | 818 | smart adj tag\$5  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L25 | 0   | L24 same (search\$ adj term)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L26 | 0   | L24 same (search\$ adj query)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L27 | 59  | L24 same (search\$)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L28 | 16  | (proxim\$ with associat\$)<br>same L24                                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L29 | 0   | (proxim\$ with associat\$)<br>same (search\$ adj term)<br>same L24    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L30 | 0   | (proxim\$ with associat\$)<br>same (search\$ adj quer\$4)<br>same L24 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L31 | 0   | (paragraph adj mark) same<br>L24                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L32 | 110 | (paragraph adj mark)\   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

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|-----|--------|---|--------------------------------|----|----|---------------------|
| L33 | 110    | (paragraph adj mark)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L34 | 0      | L33 and L24   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L35 | 182739 | (paragraph)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L36 | 16     | (paragraph) same L24  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L37 | 81     | (paragraph) and L24   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L38 | 64     | (paragraph) and L24 and<br>(search\$ (search\$ adj term)<br>keyword (key adj word) quer<br>\$4) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L39 | 53     | (paragraph) and L24 and<br>((search\$ adj term) keyword<br>(key adj word) quer\$4)              | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L40 | 11     | L38 not L39   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L41 | 192    | display\$ with (search adj<br>(result term)) with tag   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L42 | 70     | L41 same (name address url<br>date (\$4phone adj number))                                       | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L43 | 7      | display\$ with (search adj<br>(result term)) with (index\$5<br>adj (word phrase))               | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L44 | 398    | display\$ with (search adj<br>(result term)) with (index\$5)                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L45 | 97     | L44 same (name address url<br>date (\$4phone adj number))                                       | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L46 | 0      | display\$ with (search adj<br>(result term)) with (special)<br>with distance                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L47 | 0      | display\$ with (search adj<br>(result term)) with (special)<br>with proximat\$                  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L48 | 97     | display\$ with (search adj<br>(result term)) with (distance<br>proximat\$)                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L49 | 33     | display\$ with (search adj<br>(result term)) with<br>(paragraph)                                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

|     |        |   |                                |    |    |                     |
|-----|--------|---|--------------------------------|----|----|---------------------|
| L50 | 118    | display\$ with (((key adj word) keyword) query (search adj (result term))) with (paragraph) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L51 | 14     | L50 with (name address url date (\$4phone adj number))                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L52 | 435    | display\$ same (((key adj word) keyword) query (search adj (result term))) same (paragraph) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L53 | 44     | L50 same (name address url date (\$4phone adj number))                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L54 | 130    | L52 same (name address url date (\$4phone adj number))                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L55 | 399    | identif\$5 with document with ((data adj item) (data adj instance) (data adj type))         | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L56 | 7808   | search\$5 with document with (keyword (key adj word) term query)                            | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L57 | 13     | L55 same L56  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L58 | 8504   | identif\$5 with document with (name address url date (\$4phone adj number))                 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L59 | 9744   | search\$5 with document with (keyword (key adj word) term query result)                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L60 | 471    | L58 same L59  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L61 | 303    | L58 with L59  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L62 | 22     | L61 with display\$  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L63 | 4      | L61 with paragraph  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L64 | 292205 | display\$5 with (keyword (key adj word) term query result)                                  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L65 | 78     | L58 with L64  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

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|-----|-----|--|--------------------------------|----|-----|---------------------|
| L66 | 1   | L65 with paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L67 | 1   | L65 same paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L68 | 176 | L58 same L64   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L69 | 3   | L68 same paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L70 | 12  | L65 and paragraph  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L71 | 370 | L64 with paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L72 | 1   | L58 with L71   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L73 | 1   | L58 same L71   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L74 | 72  | L58 and L71  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L75 | 9   | ((("20050192953") or<br>("6636853") or ("6671683")<br>or ("20020040311") or<br>("20020069223") or<br>("20040059996") or<br>("5649193") or<br>("20020016787") or<br>("20020143940")).PN.  | US-PGPUB;<br>USPAT             | OR | OFF | 2009/05/12<br>16:28 |
| L76 | 3   | (US-20020143828-\$ or US-<br>20020059425-\$ or US-<br>20030212673-\$ or US-<br>20040024790-\$ or US-<br>20050192953-\$ or US-<br>20040059996-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020040311-\$ or US-<br>20020016787-\$).did. or (US-<br>6338058-\$ or US-6070157-\$<br>or US-6845484-\$ or US-<br>5649193-\$ or US-6636853-\$<br>or US-6671683-\$).did. | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |
| L77 | 1   | L76 and paragraph  | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |

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|-----|--------|--|--------------------------------|----|----|---------------------|
| L78 | 3      | L76 and (name address url date (\$4phone adj number))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L79 | 1      | L77 and L78  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L80 | 9327   | locat\$5 with document with (name address url date (\$4phone adj number))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L81 | 292205 | display\$5 with (keyword (key adj word) term query result)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L82 | 324    | L80 same L81   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L83 | 139    | L80 with L81   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L84 | 324    | L82 same (name address url date (\$4phone adj number))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L85 | 139    | L83 same (name address url date (\$4phone adj number))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L86 | 139    | L83 with (name address url date (\$4phone adj number))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L87 | 4      | L86 with paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L88 | 6      | L84 same paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L89 | 5      | (US-20040024790-\$ or US-20030212673-\$ or US-20020143828-\$ or US-20020059425-\$ or US-20020069223-\$ or US-20020143940-\$ or US-20020040311-\$ or US-20020016787-\$ or US-20050192953-\$ or US-20040059996-\$).did. or (US-6845484-\$ or US-5649193-\$ or US-6338058-\$ or US-6070157-\$ or US-6671683-\$ or US-6636853-\$ or US-6175830-\$ or US-6484166-\$).did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L90 | 0      | L89 and hyperlink  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

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|------|-------|---|---|----|-----|---------------------|
| L91  | 3     | \$-2002083468-\$did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L92  | 0     | (715/517).CCLS.   | USPAT   | OR | OFF | 2009/05/12<br>16:28 |
| L93  | 5810  | (707/3).CCLS.   | USPAT   | OR | OFF | 2009/05/12<br>16:28 |
| L94  | 0     | (715/539).CCLS.   | USPAT   | OR | OFF | 2009/05/12<br>16:28 |
| L95  | 4739  | (707/102).CCLS.   | USPAT   | OR | OFF | 2009/05/12<br>16:28 |
| L96  | 2147  | (707/6).CCLS.   | USPAT   | OR | OFF | 2009/05/12<br>16:28 |
| L97  | 570   | (proxim\$ with associat\$)<br>same search\$   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L98  | 13693 | data with mining  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L99  | 11918 | tagged with data  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L100 | 647   | L98 and L99   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L101 | 13298 | (identif\$ recogniz\$<br>distinguish\$) with (name<br>address url date (\$4phone<br>adj number)) with document                    | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L102 | 1003  | (identif\$ recogniz\$<br>distinguish\$) with (name<br>address url date (\$4phone<br>adj number)) with document<br>with \$5link\$5 | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L103 | 4222  | (proxim\$ with associat\$)<br>same (search\$ term)  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L104 | 54    | (proxim\$ with associat\$)<br>same (search\$ adj term)  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L105 | 0     | L102 and L104   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L106 | 11    | L101 and L104   | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |
| L107 | 808   | smart adj tag\$3  | US-PGPUB;<br>USPAT;<br>IBM_TDB                          | OR | ON  | 2009/05/12<br>16:28 |

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| L108 | 818 | smart adj tag\$4   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L109 | 0   | L108 and L106  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L110 | 67  | L108 and L101  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L111 | 3   | L108 and L103  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L112 | 13  | L108 and L102  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L113 | 8   | L102 and L103  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L114 | 54  | (proxim\$ with associat\$)<br>same (search\$ adj term)                 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L115 | 818 | smart adj tag\$5   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L116 | 0   | L115 same (search\$ adj<br>term)                                       | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L117 | 0   | L115 same (search\$ adj<br>query)                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L118 | 59  | L115 same (search\$)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L119 | 16  | (proxim\$ with associat\$)<br>same L115                                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L120 | 0   | (proxim\$ with associat\$)<br>same (search\$ adj term)<br>same L115    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L121 | 0   | (proxim\$ with associat\$)<br>same (search\$ adj quer\$4)<br>same L115 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L122 | 0   | (paragraph adj mark) same<br>L115                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L123 | 110 | (paragraph adj mark)\  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L124 | 110 | (paragraph adj mark)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |



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|------|--------|--|--------------------------------|----|----|---------------------|
| L125 | 0      | L124 and L115  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L126 | 182739 | (paragraph)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L127 | 81     | (paragraph) and L115   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L128 | 16     | (paragraph) same L115  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L129 | 64     | (paragraph) and L115 and<br>(search\$ (search\$ adj term)<br>keyword (key adj word) quer<br>\$4) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L130 | 53     | (paragraph) and L115 and<br>((search\$ adj term) keyword<br>(key adj word) quer\$4)              | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L131 | 11     | L129 not L130  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L132 | 192    | display\$ with (search adj<br>(result term)) with tag  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L133 | 70     | L132 same (name address<br>url date (\$4phone adj<br>number))                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L134 | 7      | display\$ with (search adj<br>(result term)) with (index\$5<br>adj (word phrase))                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L135 | 398    | display\$ with (search adj<br>(result term)) with (index\$5)                                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L136 | 97     | L135 same (name address<br>url date (\$4phone adj<br>number))                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L137 | 0      | display\$ with (search adj<br>(result term)) with (special)<br>with distance                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L138 | 0      | display\$ with (search adj<br>(result term)) with (special)<br>with proximat\$                   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L139 | 97     | display\$ with (search adj<br>(result term)) with (distance<br>proximat\$)                       | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L140 | 33     | display\$ with (search adj<br>(result term)) with<br>(paragraph)                                 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

|      |        |   |                                |    |    |                     |
|------|--------|---|--------------------------------|----|----|---------------------|
| L141 | 118    | display\$ with (((key adj word) keyword) query (search adj (result term))) with (paragraph) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L142 | 14     | L141 with (name address url date (\$4phone adj number))                                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L143 | 435    | display\$ same (((key adj word) keyword) query (search adj (result term))) same (paragraph) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L144 | 130    | L143 same (name address url date (\$4phone adj number))                                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L145 | 44     | L141 same (name address url date (\$4phone adj number))                                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L146 | 399    | identif\$5 with document with ((data adj item) (data adj instance) (data adj type))         | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L147 | 7808   | search\$5 with document with (keyword (key adj word) term query)                            | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L148 | 13     | L146 same L147  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L149 | 8504   | identif\$5 with document with (name address url date (\$4phone adj number))                 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L150 | 9744   | search\$5 with document with (keyword (key adj word) term query result)                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L151 | 471    | L149 same L150  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L152 | 303    | L149 with L150  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L153 | 22     | L152 with display\$   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L154 | 4      | L152 with paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L155 | 292205 | display\$5 with (keyword (key adj word) term query result)                                  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L156 | 78     | L149 with L81   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

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|------|-----|--|--------------------------------|----|-----|---------------------|
| L157 | 1   | L156 with paragraph  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L158 | 1   | L156 same paragraph  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L159 | 176 | L149 same L81  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L160 | 3   | L159 same paragraph  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L161 | 370 | L81 with paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L162 | 1   | L149 with L161   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L163 | 1   | L149 same L161   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L164 | 9   | ((("20050192953") or<br>("6636853") or ("6671683")<br>or ("20020040311") or<br>("20020069223") or<br>("20040059996") or<br>("5649193") or<br>("20020016787") or<br>("20020143940"))).PN.   | US-PGPUB;<br>USPAT             | OR | OFF | 2009/05/12<br>16:28 |
| L165 | 3   | (US-20020143828-\$ or US-<br>20020059425-\$ or US-<br>20030212673-\$ or US-<br>20040024790-\$ or US-<br>20050192953-\$ or US-<br>20040059996-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020040311-\$ or US-<br>20020016787-\$).did. or (US-<br>6338058-\$ or US-6070157-\$<br>or US-6845484-\$ or US-<br>5649193-\$ or US-6636853-\$<br>or US-6671683-\$).did. | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |
| L166 | 72  | L149 and L161  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L167 | 12  | L156 and paragraph   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L168 | 78  | L149 with L81  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |

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|------|----|--|--------------------------------|----|----|---------------------|
| L169 | 1  | L165 and paragraph   | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L170 | 3  | L165 and (name address url<br>date (\$4phone adj number))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L171 | 1  | L169 and L170  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L172 | 12 | (US-20040024790-\$ or US-<br>20030212673-\$ or US-<br>20050192953-\$ or US-<br>20040059996-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020040311-\$ or US-<br>20020016787-\$ or US-<br>20020143828-\$ or US-<br>20020059425-\$).did. or (US-<br>6338058-\$ or US-6070157-\$<br>or US-6484166-\$ or US-<br>6175830-\$ or US-6845484-\$<br>or US-6671683-\$ or US-<br>6636853-\$ or US-5649193-<br>\$).did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L173 | 5  | L172 and proximity   | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L174 | 7  | L172 and proxim\$  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L175 | 0  | L172 and (proxim\$ with<br>rule)   | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L176 | 1  | L172 and travers\$   | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L177 | 1  | L174 and L176  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L178 | 12 | (US-20040024790-\$ or US-<br>20030212673-\$ or US-<br>20050192953-\$ or US-<br>20040059996-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020040311-\$ or US-<br>20020016787-\$ or US-<br>20020143828-\$ or US-<br>20020059425-\$).did. or (US-<br>6338058-\$ or US-6070157-\$<br>or US-6484166-\$ or US-<br>6175830-\$ or US-6845484-\$<br>or US-6671683-\$ or US-<br>6636853-\$ or US-5649193-<br>\$).did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L179 | 6  | L178 and tag\$5  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L180 | 3  | L179 and proxim\$  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |

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|------|-------|--|--------------------|----|----|---------------------|
| L181 | 1     | L179 and travers\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L182 | 0     | travers\$ with tag\$5 with<br>keywords with proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L183 | 2     | travers\$ with keywords with<br>proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L184 | 0     | travers\$ same tag\$5 same<br>keywords same proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L185 | 122   | travers\$ same tag\$5 same<br>proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L186 | 10    | travers\$ with tag\$5 with<br>proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L187 | 20    | travers\$ with key\$5 with<br>proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L188 | 38062 | keyword  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L189 | 250   | travers\$ with keyword   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L190 | 6     | L189 same proxim\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L191 | 12    | (US-20040024790-\$ or US-<br>20030212673-\$ or US-<br>20050192953-\$ or US-<br>20040059996-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020040311-\$ or US-<br>20020016787-\$ or US-<br>20020143828-\$ or US-<br>20020059425-\$).did. or (US-<br>6338058-\$ or US-6070157-\$<br>or US-6484166-\$ or US-<br>6175830-\$ or US-6845484-\$<br>or US-6671683-\$ or US-<br>6636853-\$ or US-5649193-\$<br>).did. | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L192 | 5     | L191 and proximity   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L193 | 0     | L191 and (proxim\$ with<br>rule)   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L194 | 12    | (US-20040024790-\$ or US-<br>20030212673-\$ or US-<br>20050192953-\$ or US-<br>20040059996-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020040311-\$ or US-<br>20020016787-\$ or US-<br>20020143828-\$ or US-<br>20020059425-\$).did. or (US-<br>6338058-\$ or US-6070157-\$<br>or US-6484166-\$ or US-<br>6175830-\$ or US-6845484-\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |

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|------|----|--|--------------------|----|----|---------------------|
|      |    | or US-6671683-\$ or US-6636853-\$ or US-5649193-\$).did.   |                    |    |    |                     |
| L195 | 6  | L194 and tag\$5  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L196 | 1  | L195 and travers\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L197 | 3  | L195 and proxim\$  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L198 | 1  | L191 and travers\$   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L199 | 7  | L191 and proxim\$  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L200 | 1  | L199 and L198  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L201 | 17 | (US-20050192953-\$ or US-20040059996-\$ or US-20030212673-\$ or US-20020143940-\$ or US-20020069223-\$ or US-20020016787-\$ or US-20040024790-\$ or US-20020143828-\$ or US-20020059425-\$ or US-20020040311-\$).did. or (US-6845484-\$ or US-6671683-\$ or US-6636853-\$ or US-6484166-\$ or US-6338058-\$ or US-6070157-\$ or US-6175830-\$ or US-5649193-\$).did. | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L202 | 0  | L201 and (semant\$ and grammar\$)  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L203 | 5  | L201 and (semant\$ grammar\$)  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L204 | 5  | L201 and (semant\$ gramma\$)   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L205 | 0  | L201 and (semant\$ and gramma\$)   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L206 | 0  | "grammatical semantic intelligence"  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L207 | 6  | grammatical with semantic with intelligence  | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |
| L208 | 9  | gramma\$ with semant\$ with intelligence   | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:28 |

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|------|----|--|--------------------------------|----|-----|---------------------|
| L209 | 18 | ("20020016787"  <br>"20020040311"  <br>"20020059425"  <br>"20020069223"  <br>"20020143828"  <br>"20020143940"  <br>"20030212673"  <br>"20040024790"  <br>"20040059996"  <br>"20050192953"   "5649193"<br>  "6070157"   "6175830"  <br>"6338058"   "6484166"  <br>"6636853"   "6671683"  <br>"6845484").PN. | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |
| L210 | 14 | ("20020059270"   "5305435"<br>  "5532715"   "5542040"  <br>"5544360"   "5745899"  <br>"6014662"   "6014665"  <br>"6301586"   "6460029"  <br>"6578022"   "6751234"  <br>"6839702"   "6947930").PN.  | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |
| L211 | 0  | ((("20020080180") or<br>("20020103789") or<br>("20020174202") or<br>("20030014398") or<br>("20030233419") or<br>("20040143564") or<br>("20040168133") or<br>("20040236801") or<br>("20050015366")).PN.   | USPAT                          | OR | OFF | 2009/05/12<br>16:28 |
| L212 | 9  | ((("20020080180") or<br>("20020103789") or<br>("20020174202") or<br>("20030014398") or<br>("20030233419") or<br>("20040143564") or<br>("20040168133") or<br>("20040236801") or<br>("20050015366")).PN.   | US-PGPUB;<br>USPAT             | OR | OFF | 2009/05/12<br>16:28 |
| L213 | 0  | (L210 L212) and (semant\$<br>and grammar\$)  | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |
| L214 | 1  | (L210 L212) and (semant\$<br>and gramma\$)   | US-PGPUB;<br>USPAT             | OR | ON  | 2009/05/12<br>16:28 |
| L215 | 9  | L201 and (display\$ with<br>associat\$)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L216 | 4  | L201 and (display\$ with<br>associat\$ with result)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L217 | 0  | (L210 L212) \and (display\$<br>with associat\$ with result)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |

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| L218 | 0  | (L210 L212) and (display\$ with associat\$ with result)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L219 | 10 | (L210 L212) and (display\$ with associat\$)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L220 | 42 | (US-20050192953-\$ or US-20040059996-\$ or US-20030212673-\$ or US-20020143940-\$ or US-20020069223-\$ or US-20020016787-\$ or US-20040024790-\$ or US-20020143828-\$ or US-20020059425-\$ or US-20020040311-\$ or US-20050071150-\$ or US-20020059270-\$ or US-20050015366-\$ or US-20040236801-\$ or US-20040168133-\$ or US-20040143564-\$ or US-20030233419-\$ or US-20030014398-\$ or US-20020174202-\$ or US-20020103789-\$ or US-20020080180-\$).did. or (US-6845484-\$ or US-6671683-\$ or US-6636853-\$ or US-6484166-\$ or US-6338058-\$ or US-6070157-\$ or US-6175830-\$ or US-5649193-\$ or US-6947930-\$ or US-6839702-\$ or US-6751234-\$ or US-6578022-\$ or US-6460029-\$ or US-6301586-\$ or US-6014665-\$ or US-6014662-\$ or US-5745899-\$ or US-5544360-\$ or US-5542040-\$ or US-5532715-\$ or US-5305435-\$).did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L221 | 1  | L220 and (remov\$ with categor\$)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L222 | 2  | L220 and (remov\$ same categor\$)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L223 | 2  | L220 and (remov\$ same tag \$5)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L224 | 22 | L220 and (categor\$)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |



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|------|----|--|---|----|-----|---------------------|
| L225 | 6  | L220 and (category same tag \$5)   | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON  | 2009/05/12<br>16:28 |
| L226 | 32 | L220 and (interface)   | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON  | 2009/05/12<br>16:28 |
| L227 | 4  | L225 and L226  | US-PGPUB;<br>USPAT;<br>IBM_TDB  | OR | ON  | 2009/05/12<br>16:28 |
| L228 | 8  | US-20030212673-\$.DID. OR<br>US-6571236-\$.DID. OR US-<br>6741268-\$.DID. OR US-<br>6801909-\$.DID.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/12<br>16:28 |
| L229 | 4  | US-20030212673-\$.DID. OR<br>US-6571236-\$.DID. OR US-<br>6741268-\$.DID. OR US-<br>6801909-\$.DID.  | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/12<br>16:28 |
| L230 | 1  | ("20030233419").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L231 | 1  | ("20020198884").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L232 | 1  | ("20040236801").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L233 | 1  | ("20040143564").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L234 | 0  | ("2002005935").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L235 | 1  | ("20020005935").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L236 | 0  | ("200200593995").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L237 | 1  | ("20020059395").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L238 | 1  | ("20020103789").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2009/05/12<br>16:28 |
| L239 | 47 | (US-20050192953-\$ or US-<br>20040059996-\$ or US-<br>20030212673-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020016787-\$ or US-<br>20040024790-\$ or US-<br>20020143828-\$ or US-<br>20020059425-\$ or US-<br>20020040311-\$ or US-<br>20050071150-\$ or US-<br>20020059270-\$ or US-<br>20050015366-\$ or US-<br>20040236801-\$ or US-<br>20040168133-\$ or US-<br>20040143564-\$ or US- | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/12<br>16:28 |

|      |    |   |                                |    |    |                     |
|------|----|---|--------------------------------|----|----|---------------------|
|      |    | 20030233419-\$ or US-20030014398-\$ or US-20020174202-\$ or US-20020103789-\$ or US-20020080180-\$ or US-20020198884-\$ or US-20020059395-\$.did. or (US-6845484-\$ or US-6671683-\$ or US-6636853-\$ or US-6484166-\$ or US-6338058-\$ or US-6070157-\$ or US-6175830-\$ or US-5649193-\$ or US-6947930-\$ or US-6839702-\$ or US-6751234-\$ or US-6578022-\$ or US-6460029-\$ or US-6301586-\$ or US-6014665-\$ or US-6014662-\$ or US-5745899-\$ or US-5544360-\$ or US-5542040-\$ or US-5532715-\$ or US-5305435-\$ or US-6801909-\$ or US-6741268-\$ or US-6571236-\$.did. |                                |    |    |                     |
| L240 | 0  | L239 and (proximat\$5 with ((proper adj noun) name))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L241 | 33 | L239 and ( ((proper adj noun) name))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L242 | 15 | L239 and ((tag number) with ((proper adj noun) name))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L243 | 17 | L239 and ((proximat\$5 associat\$5 tag\$5 number) with ((proper adj noun) name))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L244 | 0  | L239 and ((proximat\$5 associat\$5 tag\$5 number) with ((proper adj noun) ))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L245 | 1  | L239 and (proper adj noun)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L246 | 9  | L239 and (proper)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L247 | 3  | L239 and (proper adj name)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L248 | 3  | L247 and tag\$5   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L249 | 18 | L239 and tag\$5   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |

|      |    |  |                                |    |    |                     |
|------|----|--|--------------------------------|----|----|---------------------|
| L250 | 1  | "20010049706".pn.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L251 | 0  | L250 and tag\$5  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:28 |
| L252 | 48 | (US-20050192953-\$ or US-20040059996-\$ or US-20030212673-\$ or US-20020143940-\$ or US-20020069223-\$ or US-20020016787-\$ or US-20040024790-\$ or US-20020143828-\$ or US-20020059425-\$ or US-20020040311-\$ or US-20050071150-\$ or US-20020059270-\$ or US-20050015366-\$ or US-20040236801-\$ or US-20040168133-\$ or US-20040143564-\$ or US-20030233419-\$ or US-20030014398-\$ or US-20020174202-\$ or US-20020103789-\$ or US-20020080180-\$ or US-20020198884-\$ or US-20020059395-\$ or US-20010049706-\$.did. or (US-6845484-\$ or US-6671683-\$ or US-6636853-\$ or US-6484166-\$ or US-6338058-\$ or US-6070157-\$ or US-6175830-\$ or US-5649193-\$ or US-6947930-\$ or US-6839702-\$ or US-6751234-\$ or US-6578022-\$ or US-6460029-\$ or US-6301586-\$ or US-6014665-\$ or US-6014662-\$ or US-5745899-\$ or US-5544360-\$ or US-5542040-\$ or US-5532715-\$ or US-5305435-\$ or US-6801909-\$ or US-6741268-\$ or US-6571236-\$.did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:28 |
| L253 | 37 | L252 and tab\$5  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L254 | 3  | L252 and (proper adj (name noun))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L255 | 17 | (associat\$5 proximat\$5) with ((telephone adj number) (phone adj number)) with (proper adj (name noun))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |

|      |    |  |                                |    |    |                     |
|------|----|--|--------------------------------|----|----|---------------------|
| L256 | 17 | (associat\$5 \$2proximat\$5) with ((telephone adj number) (phone adj number)) with (proper adj (name noun))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L257 | 83 | (associat\$5 \$2proximat\$5) with (tag\$5 number (telephone adj number) (phone adj number)) with (proper adj (name noun))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L258 | 71 | L257 and (@rlad<"20030930" @ad<"20030930")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L259 | 17 | L256 and (@rlad<"20030930" @ad<"20030930")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L260 | 54 | L258 not L259  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L261 | 0  | \$2proximat\$5 same (associat\$5 with (tag\$5 number (telephone adj number) (phone adj number)) with (proper adj (name noun)))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L262 | 6  | \$2proximat\$5 same ( (tag\$5 number (telephone adj number) (phone adj number)) with (proper adj (name noun)))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L263 | 6  | \$2proxim\$5 same ( (tag\$5 number (telephone adj number) (phone adj number)) with (proper adj (name noun)))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L264 | 17 | (associat\$5 \$2proxim\$8) with ((telephone adj number) (phone adj number)) with (proper adj (name noun))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L265 | 53 | (US-20050192953-\$ or US-20040059996-\$ or US-20030212673-\$ or US-20020143940-\$ or US-20020069223-\$ or US-20020016787-\$ or US-20040024790-\$ or US-20020143828-\$ or US-20020059425-\$ or US-20020040311-\$ or US-20050071150-\$ or US-20020059270-\$ or US-20050015366-\$ or US-20040236801-\$ or US-20040168133-\$ or US-20040143564-\$ or US- | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |

|      |    |  |                                |    |    |                     |
|------|----|--|--------------------------------|----|----|---------------------|
|      |    | 20030233419-\$ or US-<br>20030014398-\$ or US-<br>20020174202-\$ or US-<br>20020103789-\$ or US-<br>20020080180-\$ or US-<br>20020198884-\$ or US-<br>20020059395-\$ or US-<br>20010049706-\$ or US-<br>20040266414-\$ or US-<br>20040243941-\$).did. or (US-<br>20040153306-\$ or US-<br>20030101047-\$).did. or (US-<br>6845484-\$ or US-6671683-\$<br>or US-6636853-\$ or US-<br>6484166-\$ or US-6338058-\$<br>or US-6070157-\$ or US-<br>6175830-\$ or US-5649193-\$<br>or US-6947930-\$ or US-<br>6839702-\$ or US-6751234-\$<br>or US-6578022-\$ or US-<br>6460029-\$ or US-6301586-\$<br>or US-6014665-\$ or US-<br>6014662-\$ or US-5745899-\$<br>or US-5544360-\$ or US-<br>5542040-\$ or US-5532715-\$<br>or US-5305435-\$ or US-<br>6801909-\$ or US-6741268-\$<br>or US-6571236-\$ or US-<br>6006221-\$).did. |                                |    |    |                     |
| L266 | 0  | L265 and (proximity adj rule)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L267 | 12 | L265 and (proximity)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L268 | 17 | L265 and (proxim\$8)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L269 | 2  | L268 and (proper adj (noun name))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L270 | 3  | L265 and grammar\$8 and semantic\$8  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L271 | 2  | L265 and grammar\$8 and semantic\$8 and intelligen\$5  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L272 | 1  | L269 and L271  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L273 | 15 | grammar\$8 with semantic\$8 with intelligen\$5   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |

|      |    |  |                                |    |    |                     |
|------|----|--|--------------------------------|----|----|---------------------|
| L274 | 12 | L273 and<br>(@rlad<"20030930"<br>@ad<"20030930")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L275 | 2  | L274 and (proper adj (noun<br>name))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L276 | 53 | (US-20050192953-\$ or US-<br>20040059996-\$ or US-<br>20030212673-\$ or US-<br>20020143940-\$ or US-<br>20020069223-\$ or US-<br>20020016787-\$ or US-<br>20040024790-\$ or US-<br>20020143828-\$ or US-<br>20020059425-\$ or US-<br>20020040311-\$ or US-<br>20050071150-\$ or US-<br>20020059270-\$ or US-<br>20050015366-\$ or US-<br>20040236801-\$ or US-<br>20040168133-\$ or US-<br>20040143564-\$ or US-<br>20030233419-\$ or US-<br>20030014398-\$ or US-<br>20020174202-\$ or US-<br>20020103789-\$ or US-<br>20020080180-\$ or US-<br>20020198884-\$ or US-<br>20020059395-\$ or US-<br>20010049706-\$ or US-<br>20040266414-\$ or US-<br>20040243941-\$).did. or (US-<br>20040153306-\$ or US-<br>20030101047-\$).did. or (US-<br>6845484-\$ or US-6671683-\$<br>or US-6636853-\$ or US-<br>6484166-\$ or US-6338058-\$<br>or US-6070157-\$ or US-<br>6175830-\$ or US-5649193-\$<br>or US-6947930-\$ or US-<br>6839702-\$ or US-6751234-\$<br>or US-6578022-\$ or US-<br>6460029-\$ or US-6301586-\$<br>or US-6014665-\$ or US-<br>6014662-\$ or US-5745899-\$<br>or US-5544360-\$ or US-<br>5542040-\$ or US-5532715-\$<br>or US-5305435-\$ or US-<br>6801909-\$ or US-6741268-\$<br>or US-6571236-\$ or US-<br>6006221-\$).did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L277 | 18 | L276 and menu  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |

|      |     |   |                                |    |    |                     |
|------|-----|---|--------------------------------|----|----|---------------------|
| L278 | 0   | L276 and "on object"  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L279 | 9   | "on object"   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L280 | 0   | L279 with "user interface"  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L281 | 1   | L276 and (context adj<br>menu)                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L282 | 0   | L276 and (remov\$8 with<br>menu)                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L283 | 2   | L276 and (remov\$8 same<br>menu)                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L284 | 24  | L276 and microsoft  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L285 | 4   | L276 and microsoft.as.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L286 | 3   | (remov\$8 with tag\$5) same<br>(context adj menu)                   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L287 | 3   | (remov\$8 with tag\$5) same<br>((context shortcut) adj<br>menu)     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L288 | 299 | (remov\$8) same ((context<br>shortcut) adj menu)                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L289 | 13  | (remov\$8) same ((context<br>shortcut) adj menu) same<br>categor\$8 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L290 | 51  | L288 and (search adj result)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L291 | 19  | L290 and<br>(@rlad<"20030930"<br>@ad<"20030930")                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L292 | 0   | (on adj object).clm.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L293 | 0   | ("on object").clm.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L294 | 0   | ("on object").clm.  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |

|      |    |  |                                |    |    |                     |
|------|----|--|--------------------------------|----|----|---------------------|
| L295 | 9  | "on object"  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L296 | 0  | L295 with "user interface"   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L297 | 0  | L296   | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L298 | 53 | (US-20050192953-\$ or US-20040059996-\$ or US-20030212673-\$ or US-20020143940-\$ or US-20020069223-\$ or US-20020016787-\$ or US-20040024790-\$ or US-20020143828-\$ or US-20020059425-\$ or US-20020040311-\$ or US-20050071150-\$ or US-20020059270-\$ or US-20050015366-\$ or US-20040236801-\$ or US-20040168133-\$ or US-20040143564-\$ or US-20030233419-\$ or US-20030014398-\$ or US-20020174202-\$ or US-20020103789-\$ or US-20020080180-\$ or US-20020198884-\$ or US-20020059395-\$ or US-20010049706-\$ or US-20040266414-\$ or US-20040243941-\$).did. or (US-20040153306-\$ or US-20030101047-\$).did. or (US-6845484-\$ or US-6671683-\$ or US-6636853-\$ or US-6484166-\$ or US-6338058-\$ or US-6070157-\$ or US-6175830-\$ or US-5649193-\$ or US-6947930-\$ or US-6839702-\$ or US-6751234-\$ or US-6578022-\$ or US-6460029-\$ or US-6301586-\$ or US-6014665-\$ or US-6014662-\$ or US-5745899-\$ or US-5544360-\$ or US-5542040-\$ or US-5532715-\$ or US-5305435-\$ or US-6801909-\$ or US-6741268-\$ or US-6571236-\$ or US-6006221-\$).did. | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L299 | 1  | L298 and (context adj menu)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |



|      |     |   |                                |    |    |                     |
|------|-----|---|--------------------------------|----|----|---------------------|
| L300 | 1   | L299  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L301 | 0   | L298 and (remov\$8 with<br>menu)                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L302 | 0   | L301  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L303 | 2   | L298 and (remov\$8 same<br>menu)                                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L304 | 2   | L303  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L305 | 24  | L298 and microsoft  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L306 | 24  | L305  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L307 | 4   | L298 and microsoft.as.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L308 | 4   | L307  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L309 | 3   | (remov\$8 with tag\$5) same<br>(context adj menu)                   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L310 | 3   | L309  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L311 | 3   | (remov\$8 with tag\$5) same<br>((context shortcut) adj<br>menu)     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L312 | 3   | L311  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L313 | 299 | (remov\$8) same ((context<br>shortcut) adj menu)                    | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L314 | 289 | L313  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L315 | 13  | (remov\$8) same ((context<br>shortcut) adj menu) same<br>categor\$8 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L316 | 13  | L315  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L317 | 51  | L313 and (search adj result)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |
| L318 | 51  | L317  | US-PGPUB;<br>USPAT             | OR | ON | 2009/05/12<br>16:29 |
| L319 | 19  | L317 and<br>(@rlad< "20030930"<br>@ad< "20030930")                  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2009/05/12<br>16:29 |

|      |    |      |                    |    |    |                     |
|------|----|------|--------------------|----|----|---------------------|
| L320 | 19 | L319 | US-PGPUB;<br>USPAT | OR | ON | 2009/05/12<br>16:29 |
|------|----|------|--------------------|----|----|---------------------|

**5/ 12/ 09 4:47:05 PM**

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